6687

ARCHIVES

OF

OTOLOGY

EDITED IN ENGLISH AND GERMAN

BY

DR. H. KNAPP
OF NEW YORK

DR. O. KÖRNER
OF ROSTOCK

DR. A. HARTMANN AND DR. U. PRITCHARD
OF BERLIN OF LONDON

VOLUME XXXV.

NEW YORK
G. P. PUTNAM'S SONS, 27 & 29 WEST 23D STREET
AND NEW ROCHELLE, N. Y.
LONDON: 24 BEDFORD STREET, STRAND
WIESBADEN: J. F. BERGMANN'S Verlag
PARIS: J.-B. BAILLIÈRE, 19 Rue Hautefeuille
1906

The Knickerbocker Press, New York

CONTENTS OF VOLUME XXXV.

NUMBER 1

PAGE

A Case of Acute Middle Ear Suppuration Complicated by Labyrinthine Fistula and Paralysis of the Abducens Nerve. By HILL HASTINGS, M.D. 1

Serous Meningitis. By ARNOLD KNAPP, M.D. 6

Some Relations in the Blood Supply of the Inner Ear which have a Practical Bearing on the Clinical Study of Otology. By GEORGE E. SHAMBAUGH, M.D. (With illustration on Text Plate No. I.) 11

Infective Sinus Thrombosis; A Discussion of Certain Views Recently Advanced. By PHILLIP D. KERRISON, M.D. (With one illustration on Text Plate II.) 20

Reports of Societies:

1. **Report of the Transactions of the New York Otological Society.** Meeting of November 28, 1905 31

   PHILLIPS: Closure of large retro-auricular opening, 31. MCKERNON: Cerebral hernia, 32. PHILLIPS: Anomaly of temporal bone, 34. ARNOLD KNAPP: Specimen of primary cavernous-sinus thrombosis after osteomyelitis of petrous pyramid, 35. BACON: Head injury followed by ear symptoms, 36. GRUENING: Case of sinus thrombosis, 37. GRUENING: Two cases of mastoiditis occurring in typhoid fever, 38. BRYANT: Modified radical operation, 38. DUEL: Case of knee-joint metastasis after mastoiditis, 38.

2. **Report of the Transactions of the Section on Otology, New York Academy of Medicine.** Meeting of November 9, 1905 40

   HURD: Extradural abscess with obliterating sigmoid sinus phlebitis, 40. HURD: A case of spontaneous destruction of the mastoid cells as after the radical operation, 41. RICHARDS: Case of infective sigmoid sinus thrombosis and jugular vein infection of otitic origin without mastoid involvement, 42. ARNOLD KNAPP: Report of a case of serous meningitis (published on page 6 of this number). Discussion, 44. MAY: Some observations in the ear clinics of Berlin, 45. SHAMBAUGH: The blood supply of the internal ear (published on page 11 of this number), 47.

164443

PAGE

Report of the Progress in Otology during the First Quarter of the Year 1905. By Dr. ARTHUR HARTMANN. Translated by Dr. ARNOLD KNAPP. 48

Anatomy and Physiology, 48. General, 52. External Ear, 58. Middle Ear, 59. Nervous Apparatus, 72. Nose and Nasopharynx, 76. Mouth and Pharynx, 85.

NUMBER 2

Circulatory Disturbances Following Ligation of the Internal Jugular Vein in Sinus Thrombosis; with Report of a Case. By WELLS P. EAGLETON, M.D., Newark, N. J. 91

Otitis Interna Sinistra Hemorrhagica (?); Vicarious Menstruation (?). By EMIL AMBERG, M.D., Detroit, Michigan. . . 103

What Cases of Chronic Purulent Otitis Require the Radical Operation? By ARNOLD KNAPP, M.D., New York. . . 111

The Leucocyte Count in Inflammatory Diseases of the Ear and of the Temporal Bone and in Otitic Intracranial Complications. By Dr. SUCKSTORFF, Hanover, Germany. . . . 117

On Post-Operative Pyocyaneus Perichondritis of the Auricle. By Dr. TATSUSABURO SARAI, Japan. 121

A Congenital Fibrolipoma of the Palatal Tonsil. By Dr. ZOLKI in Strassburg. With illustration on plate, etc., . . . 123

On the Course of the Sigmoid Sinus in the Child's Skull. By Dr. P. RUDLOFF, Wiesbaden 126

Reports of Societies:

1. **Report of the Transactions of the New York Otological Society.** By THOMAS J. HARRIS, M.D., Secretary. Meeting of January 23, 1906, Dr. J. E. SHEPPARD, Vice-President, in the Chair. 130

Dr. ALDERTON presented a case for diagnosis, 130. Dr. BRYANT presented a case of mastoiditis, 131. Dr. ALDERTON presented a case of pedunculated exostosis, 131. Dr. MCKERNON reported a case of brain abscess, 132. Dr. HASKIN reported a case of extensive mastoiditis, 132. Dr. BRANDEGEE reported a case of death from pulmonary thrombosis following operation for sinus thrombosis, 133. Dr. COWEN reported a fatal case of brain abscess, 135. Dr. BRYANT reported two cases of flat exostoses, 135. Dr. HASKIN reported a case of radical operation, 135. Dr. ADAMS reported a case of obscure diagnosis with symptoms of sepsis, 136.

PAGE

2. **Report of the Transactions of the Section on Otology of the New York Academy of Medicine.** Regular Meetings, December 14, 1905, and January 11, 1906, Dr. GRJENING in the Chair. 137

ARTHUR B. DUEL, M.D.: Exhibition of a case o deformity of both auricles in an infant restored by plastic operation, 137. JOHN R. PAGE, M.D.: Exhibition and report of a case of thrombosis of the lateral sinus and internal jugular vein, with metastatic involvement of the knee-joint; operation and recovery, 138. ROBERT LEWIS, Jr., M.D.: A brief report of a case of acute mastoiditis presenting several interesting features, 140. P. D. KERRISON, M.D.: Infective sinus thrombosis, 142. FRANK ALLPORT, M.D.: The differential diagnosis between some of the serious sequelæ of purulent otitis media, 145. SEYMOUR OPPENHEIMER, M.D.: Presentation of a case of traumatic mastoiditis, 145. SEYMOUR OPPENHEIMER, M.D.: Report of a case of mastoiditis and sinus thrombosis in an infant of twelve months; operation; recovery, 148. JOSEPH A. KENEFICK, M.D.: Report of a case of mastoiditis without any manifestation in the middle ear or external auditory canal, 154. HARMON SMITH, M.D.: Radical operation for chronic otitis media suppurativa, followed by a secondary operation for removal of the internal ear, and later by an operation for the evacuation of a cervical abscess and an epidural abscess of the cerebellum; death, 156. EMIL GRUENING, M.D.: Report of a case of double mastoiditis with sinus thrombosis on the left side, presenting several interesting features, 158. W. P. EAGLETON, M.D.: Some considerations on the circulatory disturbances, the result of ligation of the internal jugular vein in a case of sinus thrombosis (published in full on pp. 91-102).

Report on the Progress in Otology during the Second Quarter of the Year 1905. By Prof. ARTHUR HARTMANN, Berlin. Translated by Dr. ARNOLD KNAPP. . . . . 16..

Anatomy and physiology, 161. General, 163. External ear, 169. Middle ear, 170. Nervous apparatus, 176. Nose and naso-pharynx, 177. Mouth and pharynx, 185.

Book Review: 187

I.—The Surgical Treatment of Chronic Suppuration of the Middle Ear and Mastoid. By SEYMOUR OPPENHEIMER, M.D.

Miscellaneous Notes. 188

NUMBER 3

Symptoms and Treatment of Sinus and Jugular Thrombosis, with the Report of Five Cases. By B. R. KENNON, M.D., Nor-

PAGE

folk, Va. (With five temperature charts.) 189

Infective Sinus Thrombosis; the Varieties of General Infection and Treatment. By ARNOLD KNAPP, M.D. 203

Two Cases of Grave Complications of Purulent Ear Disease Operated upon and Reported, by J. STODDART BARR, M.B., Ch.B., Glasgow. 211

The Functional Examination of the Hearing with Tuning-Forks in Monolateral Deafness, with Deductions on Bone Conduction and the Function of the Sound-Conducting Apparatus. By Prof. BEZOLD, Munich. 214

Incorrect Deductions from Experiments with Tuning-Forks on the Function of the So-Called Sound-Conducting Apparatus. By Dr. GUSTAV ZIMMERMANN, Dresden. 222

Reports of Societies:

1. **Report of the Transactions of the New York Otological Society.** By THOMAS J. HARRIS, M.D., Secretary. Meeting of March 27, 1906. EDWARD B. DENCH, M.D., in the Chair. 227

   ARNOLD KNAPP: Temporal bone showing an unusual pyogenic extension from labyrinth to sigmoid sinus, 227. T. J. HARRIS: Blood-counts in two cases of mastoiditis, 227. WHITING: Case of thrombosis of the external jugular vein, 228. HASKIN: Cyst of the concha, 229. GRUENING: Case of lateral-sinus thrombosis, 229. GRUENING: Erysipelas followed by acute otitis, 230. GRUENING: Severe case of mastoiditis, 230. PHILLIPS: Typhoid fever simulating meningitis, 231. BERENS: Case of herpes zoster of the fauces, 231.

2. **Report of the Transactions of the Section on Otology, New York Academy of Medicine.** Stated Meetings, February 1 and March 9, 1906. Dr. GRUENING in the Chair. . . . 232

   M. ALLEN STARR: Intracranial lesions of otitic origin, 232. C. J. BLAKE: Otitic disease in its relation to intracranial lesions, 234. Discussion, 234–247. SIDNEY YANKAUER: Eustachian sounds, 247. ARNOLD KNAPP: Infective sinus thrombosis; varieties of systemic infection and treatment (published in full on pages 203–210 of this issue), 247. Discussion, 247–258.

Report on the Progress in Otology during the Third Quarter of 1905. By Prof. ARTHUR HARTMANN, Berlin. Translated by Dr. ARNOLD KNAPP. 259

Anatomy and physiology, 259. General, 263. External ear, 275. Middle ear, 275. Nervous apparatus, 295. Nose and naso-pharynx, 297. Pharynx and mouth, 317.

PAGE

Book Review 322

II.—Manual of Diseases of the Ear, Nose, and Throat. By JOHN JOHNSON KYLE, B.S., M.D.

NUMBER 4

Acute Purulent Otitis and Mastoiditis, Treated by Means of Artificially Induced Hyperæmia, according to the Method of Bier, with Report of Cases. By S. J. KOPETZKY, M.D. . 323

A Case of Brain Abscess Following Traumatism and Acute Mastoiditis; Operation; Recovery. A Case of Hysteria Simulating Brain Abscess after Operation for Secondary Mastoiditis. By ALFRED WIENER, M.D. 340

The Treatment of Purulent Otitis by Congestive Hyperæmia. By Dr. WILHELM KEPPLER. Translated from the German Edition of these ARCHIVES, Vol. L., No. 3, by Dr. PERCY FRIDENBERG, New York. 352

Simple and Radical Mastoid Operations under Local Anæsthesia. By Dr. HEINRICH NEUMANN, Vienna. Abridged Translation, by Dr. M. J. BALLIN, New York, from *Zeitschr. f. Ohrenheilk.*, Vol. LI., 1906, German Edition of these ARCHIVES. . . 368

On Disturbances of Speech in Childhood. By Dr. VICTOR HAMMERSCHLAG, Vienna. Translated from *Zeitschr. f. Ohrenheilk.*, Vol. XLV., 1903, German Edition of these ARCHIVES. . . 379

On Objective Tinnitus. By Dr. C. FRIEDMANN. Translated from *Zeitschr. f. Ohrenheilk.*, Vol. XLVI., 1904, German Edition of these ARCHIVES. 385

Report of Four Fatal Cases after Purulent Otitis. By Dr. HOELSCHER, Ulm. Translated from the *Zeitschr. f. Ohrenheilk.*, German Edition of these ARCHIVES, Vol. XLV., 1903 . . 388

Report of the Transactions of the Section on Otology of the New York Academy of Medicine. Regular Meeting, April 12, 1906, Dr. GRUENING in the Chair. 397

BRYANT: Modified radical operation, 398: Report of a case with hysterical symptoms upon which the radical mastoid operation was performed, 400. Report of a case of possible intracranial arterio-venous aneurism, or exophthalmic goitre, 401. WIENER: Report of a case of brain abscess and of a case of hysteria simulating brain abscess. (Published in full in this number.) KOPETZKY: Treatment of acute otitis and mastoiditis by artificially induced hyperæmia. (Published in full in this number.) Discussion: 403–410. Clinical Meeting,

PAGE

May 10, 1906. BERENS: Two cases of exsection of the jugular vein and lateral sinus, 410. Discussion, 412. DUEL: A case of restoration of protruding auricle by plastic operation, 413. KERRISON: Persistent torticollis following mastoid operation, 414. Discussion: 415–417. HURD: Perichondritis following radical operation, 417. H. KNAPP: Case of extensive acute mastoiditis; healing mostly by primary union, 418. RICHARDS: Case of otitis suppurativa interna, 420. MCCOY: Case of mastoiditis with normal drum, 421. EMERSON: Case of serous meningitis, 422.

Book Reviews 425

III.—Operative Otology. Surgical Pathology and Treatment of Diseases of the Ear. By CLARENCE JOHN BLAKE, M.D., Boston, and HENRY OTTRIDGE REIK, M.D., Baltimore.

IV.—Lehrbuchder Ohrenheilkunde für Aerzte und Studierende ("Text-Book on Otology for Physicians and Students"). By Dr. F. BEZOLD, Professor of Otology, Munich University.

NUMBER 5

Some Points in the Diagnosis of the Complications of Temporal Bone-Disease, Based upon a Study of 135 Fatal Cases. By A. L. WHITEHEAD, M.B., B.S. (London). 427

A Case of Hysterical Mastoid Tenderness and Pain, without Functional Disturbance. By H. GLOVER LANGWORTHY, M.D., Dubuque, Iowa. 434

Primary Cavernous Sinus Thrombosis Secondary to Osteomyelitis of the Petrous Pyramid. By ARNOLD KNAPP, M.D. (With one illustration on Text-Plate IV.) 437

The Nature of Otosclerosis in the Light of Heredity. By O. KOERNER, Rostock. Translated from *Zeitschr. f. Ohrenheilk.*, Vol. L., 1905, German Edition of these ARCHIVES. . . 441

The Theory of Sound-Conduction. By Dr. GEORG BOENNINGHAUS, Breslau. Translated by Dr. ARNOLD KNAPP from *Zeitschr. f. Ohrenheilk.*, Vol. XLIX., 1905, German Edition of these ARCHIVES. 449

The Changes in the Eye-Grounds in Otitic Diseases of the Brain, the Cerebral Membranes, and the Sinuses. By Dr. TAKABATAKE, Japan. (From the Ear Clinic in Rostock.) Abridged Translation from *Zeitschr. f. Ohrenheilk.*, Vol. XLV., 1903, German Edition of these ARCHIVES. 464

PAGE

On the Occurrence and Absence of Crossed Paralyses and Disturbances of Speech in Otitic Suppurations of the Brain and Meninges. By Dr. TAKABATAKE, Japan. Translated from *Zeitschr. f. Ohrenheilk.*, Vol. XLVI., 1904, German Edition of these ARCHIVES. 468

Etiology and Pathology of Mastoid Empyema Complicating Acute Purulent Otitis Media. By Dr. A. SCHEIBE, Munich. Abridged Translation, by ADOLPH O. PFINGST, M.D., Louisville, Ky., from *Zeitschr. f. Ohrenheilk.*, Vol. XLVIII., 1904, German Edition of these ARCHIVES. 475

On Operative Treatment of Purulent Meningitis. By Professor V. HINSBERG, Breslau. Translated by Dr. ARNOLD KNAPP, from *Zeitschr. f. Ohrenheilk.*, Vol. L., 1905, German Edition of these ARCHIVES. 484

Report of the Transactions of the New York Otological Society. By THOMAS J. HARRIS, M.D., Secretary. Meeting of May 22, 1906. The President, Dr. E. B. DENCH, in the Chair. . . 495

DUEL: Photographs, 495. WILSON: Two cases of facial paralysis, 495. GRUENING: Bezold and extradural abscess, 496. GRUENING: Suspected sinus thrombosis where operation revealed nothing, 496. DUEL: Double mastoiditis occurring in the fourth week of typhoid fever, 497. BRYANT: Sigmoid sinus thrombosis, 497. BRYANT: Blood-clot in the radical operation, 498. HARRIS: Case of facial erysipelas, 498.

Report on the Progress in Otology during the Fourth Quarter of 1905. By Prof. ARTHUR HARTMANN, Berlin. Translated by Dr. ARNOLD KNAPP. 500

Anatomy and Physiology, 500; General, 502; External Ear, 508; Middle Ear, 508.

NUMBER 6

A Case of Bilateral Cerebral Disturbance of Hearing with Aphasia. By Dr. GEORGE BOENNINGHAUS, Breslau. Translated from *Zeitschr. f. Ohrenhlk.*, Vol. XLIX., 1905, German Edition of these ARCHIVES 517

On the So-Called Cyclic Course of Acute Otitis Media. By Prof. O. KOERNER. Translated from the *Zeitschr. f. Ohrenhlk.*, Vol. XLVI., 1904, German Edition of these ARCHIVES . . . 523

Exostoses and Hyperostoses of the Ear Canal as a Cause for Severe Purulent Otitis. By Dr. MEYER, Hanover. Translated from *Zeitschr. f. Ohrenhlk.*, Vol. LI., 1906, German Edition of these ARCHIVES 526

PAGE

Herpes of the Auricle with Neuritis of the Facial Nerve. By Dr. T. SARAI, Japan. Translated from *Zeitschr. f. Ohrenhlk.*, Vol. XLVI., 1904, German Edition of these ARCHIVES . . 529

Report of a Case of Purulent Meningitis Following Radical Mastoid Operation; Recovery after Operative Interference. By R. JOHNSON HELD, M.D., and S. J. KOPETZKY, M.D., New York 531

A Case of Acute Sepsis Beginning on the Third Day of an Attack of Acute Middle-Ear Inflammation; Examination of the Sigmoid Sinus; Recovery. By JOHN DUNN, M.D., Richmond. (With a Temperature Chart) 544

The Differential Diagnosis in Otitic Sinus Thrombosis. By Dr. F. VOSS, Riga. Translated from *Zeitschr. f. Ohrenhlk.*, Vol. L., 1905, German Edition of these ARCHIVES 550

Report of the Transactions of the Section on Otology of the New York Academy of Medicine. Regular Meetings, October 11 and November 8, 1906, Dr. GRUENING in the Chair . . . 561

VOISLAWSKY: Fracture of the temporal bone, 561. BRYANT: Demonstration of an improved motor drill for mastoid surgery (with two figures on Text-Plate V.), 562. BRYANT: Demonstration of the Movements of the Eustachian tube, 564. PEDERSEN: Demonstration of a new gas-ether inhaler, 564. DIXON: Case of mastoiditis due to Friedländer's (?) pneumococcus, 564. HELD and KOPETZKY: Case of purulent meningitis following a radical mastoid operation; recovery after operative interference (published in full, pp. 531–543, of this number), 570. COAKLEY: Unusual type of acute mastoiditis, 572. BERG: Otitic abscess in the left temporo-sphenoidal lobe, 576. GRUENING: Case of thrombosis of the lateral sinus and complete obliteration of the internal jugular, 582.

Report of the Transactions of the New York Otological Society. By Dr. T. J. HARRIS, Secretary. Meeting of November 27, 1906. 588

DUEL: Fatal case of cerebellar abscess, 588. MCKERNON: Accidental wounding of the internal carotid artery, 589. DUEL: Case of mastoiditis and perisinuous abscess, 589. QUINLAN: Acute mastoiditis complicated with diabetes, 589. DUEL: Anomalous facial nerve, 590. BRYANT: Case of otocerebellar abscess, 591. BACON: Pilocarpine in cases of syphilitic deafness, 592.

Index of Authors and Subjects of Vol. XXXV. 595

General Index of Authors and Subjects of Vols. XXIX. to XXXV. Inclusive 600